

Substitute for form 1449A/PTM

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Complete if Known

10/635.736

August 6, 2003

Willem Kools

1723

To Be Assigned

2089/102 (MCA-517)

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner
Signature

/Ana Fortuna/ (11/12/2006)

Date _____
Grade _____

11/12/2006

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/635,736
				Filing Date	August 6, 2003
				First Named Inventor	Willem Kools
				Art Unit	1723
				Examiner Name	To Be Assigned
Sheet 2 of 2				Attorney Docket Number	2089/102 (MCA-517)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
AF	11	Cohen, "Two-Layer Slot Coating: Flow Visualization and Modelling," Thesis, University of Minnesota, December 1993			
	12	Gröbe et al., "Ein neues Prinzip für die Herstellung von asymmetrischen Polymermembranen," <i>Acta Polymerica</i> 30:62-63 (1979)		X	
	13	Gröbe et al., "Multilayer Membranes I. A New Type of Asymmetric Synthetic Membranes," <i>Synthetic Polymeric Membranes</i> , Ed. B. Sedlacek, J. Kahovec, Walter Gruyter & Co., Berlin, (1987)			
	14	Hiatt et al., "Microporous Membranes Via Upper Critical Temperature Phase Separation," <i>Materials Science of Synthetic Membranes</i> , ed., D.R. Lloyd, American Chemical Society, Washington, D.C. (1985), p. 229-244.			
	15	Taylor, "Two-Layer Slot Coating: Study of Die Geometry and Interfacial Region," Thesis, McMaster University, July 1997			
	16	Taylor et al., "Visualization and Flow Simulation of a Two-Layer Slot Coater," <i>Chemical Engineering Science</i> 54:909-918 (1999)			
	17	Weigel et al., "Bikomponentenmembranen II. Herstellung von Bikomponentenmembranen unter Einsatz einer Bikomponentenbreitschlitzdüse," <i>Acta Polymerica</i> 40:734-740 (1989)		X	
↓	18	Weigel et al., "Bikomponentenmembranen III. Diffusion und Strukturbildung bei der Koagulation von Polymerlösungen unter Einsatz einer Bikomponentenbreitschlitzdüse," <i>Acta Polymerica</i> 41:124-131 (1990)		X	
AF	19	Weigel et al., "Bicomponent membranes. IV. Influence of Membrane Formation Principles on the Structure of the Active Layer of Membranes," <i>Acta Polymerica</i> 42:366-371 (1991)			

Examiner Signature	/Ana Fortuna/ (11/12/2006)	Date Considered	11/12/2006
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheets as necessary)

Substitute for form 1449, GPO

Sheet

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of

2

Complete if Known

Application Number	10/635,736
Filing Date	August 6, 2003
First Named Inventor	Willem Kools
Art Unit	1723
Examiner Name	To Be Assigned
Attorney Docket Number	2089/102 (MCA-517)

Attorney Docket Number

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
AF	1	US-3,948,823	04-06-1976	Lee et al.	
	2	US-4,340,480	07-20-1982	Pall et al.	
	3	US-4,489,671	12-25-1984	Choinski	
	4	US-4,707,265	11-17-1987	Barnes, Jr. et al.	
	5	US-5,273,657	12-28-1993	Nakashima et al.	
	6	US-5,869,174	02-09-1999	Wang	
	7	US-5,906,742	05-25-1999	Wang et al.	
	8	US-5,958,989	09-28-1999	Wang et al.	
	9	US-6,090,441	07-18-2000	Vining, Jr. et al.	
	10	US-6,110,369	08-29-2000	Ditter et al.	
	11	US-6,277,281	08-21-2001	Ditter et al.	
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	13	US-6,440,306 B1	08-27-2002	Ditter et al.	
	14	US-6,513,666 B2	02-04-2003	Meyering et al.	
	15	US-6,536,605 B2	03-25-2003	Rice et al.	
	16	US-6,565,782 B1	05-20-2003	Wang et al.	
	17	US-6,736,912 B1	05-18-2004	Fields et al.	
	18	US-6,939,468 B2	09-06-2005	Wang et al.	
	19	US-2,806,256	09-17-1957	Smith-Johannsen	
	20	US-3,347,391	10-17-1967	Steensen	
	21	US-4,983,288	01-08-1991	Karbachs et al.	
	22	US-5,240,615	08-31-1993	Fishman	
	23	US-5,886,059	03-23-1999	Wang	
	24	US-5,979,670	11-09-1999	Ditter et al.	
	25	US-6,464,084 B2	10-15-2002	Pulck	
	26	US-2003/0209485 A1	11-13-2003	Kools	
	27	US-2003/0217965 A1	11-27-2003	Kools	
	28	US-2005/0040100 A1	02-24-2005	Kools	
	29	US-2006/0086657 A1	04-27-2006	Kools	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
AF	30	JP 56-91815	07-25-1981	Toyo Soda MFG Co. Ltd.	
	31	JP 60-76323	04-30-1985	Dainippon Printing Co. Ltd.	X
	32	JP 60-132605	07-15-1985	Sanyo Chem. Ind. Ltd.	X
	33	JP 62-11617	08-02-1994	Meiji Seika Kaisha et al.	X
	34	JP 09-24260	01-28-1997	Dainippon Ink & Chemical, Inc.	X
	35	WO 94/09880	05-11-1994	Cuno Incorporated	
AF	36	WO 98/30379	07-16-1998	Weigel et al.	X

Examiner/ Signature	Ana Fortuna/ (11/12/2006)	Date Considered	11/12/2006
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Substitute for form 1449A/PTO		Application Number	10/635,736		
		Filing Date	August 6, 2003		
		First Named Inventor	Willem Kools		
		Art Unit	1723		
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Sheet	2	of	2	Attorney Docket Number	2089/102 (MCA-517)

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use several sheets if necessary)</small> <small>(PTO-1449)</small>	ATTY. DOCKET NO.	SERIAL NO.
	2089/102 (MCA-517)	Continuation of 10/275,210
	APPLICANT	
	Willem Kools	
FILING DATE	GROUP ART UNIT	
Herewith	To Be Assigned	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AF	1	4,203,848	05/20/1980	Grandine			
	2	4,261,834	04/14/1981	deWinter			
	3	4,340,479	07/20/1982	Pall			
	4	4,629,563	12/16/1986	Wrasidlo			
	5	4,770,777	09/13/1988	Steadly et al.			
	6	5,228,994	07/20/1993	Tkacik et al.			
	7	5,444,097	08/22/1995	Tkacik			
	8	5,500,167	03/19/1996	Degen			
	9	5,550,167	08/27/1996	DesMarais			
	10	5,620,790	04/15/1997	Holzki et al.			
AF	11	6,056,529	05/02/2000	Meyering et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION IF APPROPRIATE
	12	EP 0764461	08/28/2002	Europe			
	13	0 578 210 A2	01/12/1994	Europe			
	14	0 572 329	05/17/1993	Europe			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

AF		15	U.S. Patent Application Publication No. US 2002/0113006 A1 to Sale et al.				
AF		16	U.S. Patent Application Publication No. US 2003/0035943 A1 to Jones et al.				
AF		17	U.S. Patent Application Publication No. US 2002/0127387 A1 to Sale et al.				
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